

# simalube – the automatic single-point lubricator

Technical information for the steel industry



**simalube**

 SWISS MADE

# The lubrication expert

## Preventing machine failures

The severe working conditions in the steel industry are a challenge not only to the operators but also the machines in particular. Heat, dust, vapours and dirt stress the facilities and often bring them to their limits. Among other things, continuous lubrications of the facilities is crucial to prevent the resulting machine failures. Using simalube lubricators, lubrication points are supplied for up to a year with the correct or desired grease or oil, which reduces the wear of the machine parts.

## Save money and time

The melting and processing of slabs is done at very high temperatures. It is necessary to be able to assure a trouble-free production sequence at all times. Machine failures due to inadequate lubrication have severe consequences most of the time. Among other things, this risk can be avoided by using the simalube automatic lubrication system. As a result, manual lubrication is dropped from the "to do" list of the operator so that the workers have more time for other work and the company can save time and money.

## Increasing safety at work

Due to the very high temperatures that can be encountered, or dangerous heights, the service workers are subjected to a high level of risk when applying lubricant to the lubrication points located there. The simalube automatic lubricator can supply the lubrications points at safer locations through remote installations and do all this for up to a year, automatically. This greatly increases safety at work, since the workers can reduce the amount of time spent in the hazardous zones.

«simalube lubricates continuously, extends the service life of the machines and reduces maintenance costs in many steelwork»

### Your benefits from automatic lubrication with simalube:

- Less downtime of the facilities
- Reduction of wear and longer service life of the components
- Increased operational safety since manual lubrication is not required
- Long-term supply of lubrication points that are hard to reach
- Less time required for maintenance

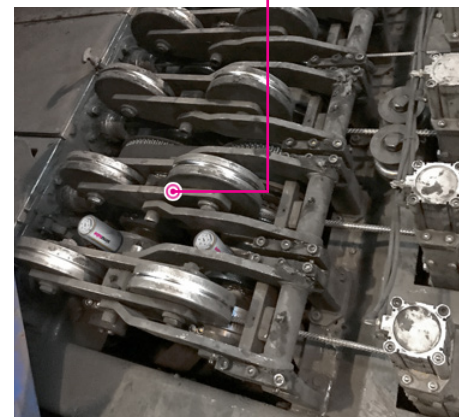
«Considerable time savings and improved safety at work thanks to automatic lubrication»



simalube lubricators, including brushes, are installed on a chain conveyor. The chains are thus continuously lubricated while being cleaned at the same time.



The small 30 ml simalube units lubricate the side bearings and the lifting device of the guide roller.



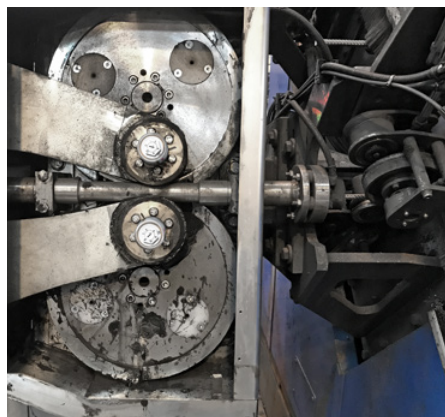
simalube 125 ml lubricators have been installed on the feed unit of an aligning and cutting machine and set to 6 months.



Permanent lubrication of the rolls for sheet production thanks to the simalube 125 ml automatic lubricator.



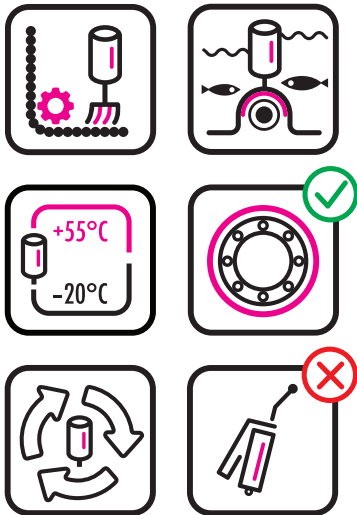
Several simalube lubricators and IMPULSE lubricate the columns (left) and the drive unit (right) of the nibbling machine.



The two simalube 60 ml units automatically lubricate a flying cutting unit of the aligning and cutting machine for up to 6 months.



Thanks to the simalube IMPULSE pressure booster, the lubrication points at the winder (bearings, guide bushes and interlocks) can be installed remotely and supplied with lubricant via a hose installation.



## Areas of application and advantages

### Areas of application for simalube in steel production processes:

- Coking facility
- Sintering facility
- Blast furnaces
- Desulphurization
- Removal of slag
- Filling of the converter
- Refining of pig iron
- Alloying of steel
- Vacuum unit
- Continuous casting facility
- Ingot casting
  - Roll stands

### Plants/machines in steelworks:

- Conveyor systems
- Gearboxes/motors
- Blower motors
- Mixers
- Motor bearings
- Ovens
- Fan units
- Fans
- Pumps
- Strainers
- Cranes
- Rollers

### simalube applications in steelworks:

- Bearings
- Chains
- Toothed racks
- Pinions
- Gas valves
- Sliding rails
- Joints
- Arms and links
- Guide rollers
- Couplings

### Advantages of simalube lubrication systems:

- Tried and tested lubrication system in the steel processing industry
- Reliability: Once installed, the lubrication points are reliably lubricated and never forgotten
- The hermetically sealed system prevents contamination by dust and debris (IP68)
- Reduction of service requirements and maintenance costs: Manual lubrication is no longer necessary meaning fewer disruptions and a huge saving of time
- Longer service life of machines thanks to continuous and accurate lubrication
- Flexibility: The running time is adjustable from 1–12 months
- No need to shut down the machines during maintenance
- Available in five sizes: 15, 30, 60, 125 and 250 ml, plus multipoint 5x8 ml
- Thanks to the transparent housing, the progress of the lubrication process can be monitored at all times (fill level control)
- Installation is possible even in very narrow spaces
- Simple, environmentally-friendly disposal (100% recyclable)



We will gladly inform you about the application of simalube products in the steel industry.

Our highly-qualified specialists have an in-depth technical knowledge and will show you how automatic lubrication can reduce costs and extend the service life of your machines.